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ABSTRACT

This guide cites and describes 241 films on energy. The categories are: general films on energy, conservation of energy, history of energy development, coal, electricity, food and energy, geothermal, natural gas, nuclear energy, oil/petroleum, oil shale, solar energy, tar sands, tidal energy, wind, impacts of energy, and future of energy. For each category, specific films are listed by number of appearance in the index. Some films are listed more than once. Each film citation in the index includes information on film title, grade level, code indicating film source and distributor, year of production, purchase price, rental price, running time, and availability in color or black and white. Also included are tips on how to use the index, a directory of film sources and distributors, a listing of major university and rental/loan film libraries, a form for recommending additional films, and a topical reference guide in which all films in the index are organized into 17 categories.
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THE
ENERGY FILMS INDEX
An Educator's Guide to Current
Energy Films

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TABLE OF CONTENTS

FOREWORD	2
ENERGY & MAN'S ENVIRONMENT	3
EME EDUCATIONAL RESOURCES	3
THE ENERGY FILMS INDEX	3
HOW TO USE THIS INDEX	4
ALPHABETICAL LISTING OF FILMS	5-6-7-8
TOPICAL REFERENCE GUIDE	9
INDIVIDUAL FILM CITATIONS	10
FILM SOURCES AND DISTRIBUTORS	33
MAJOR UNIVERSITY FILM RENTAL/LOAN LIBRARIES	37
NEW FILM ADDITIONS	39
RECOMMENDATIONS	40

FOREWORD

Energy scarcity has been the rule rather than an exception throughout human history. Until the modern era, energy available to do work was limited primarily to muscle and the renewable resources: wood, water and wind. Not until the last century did mankind begin to exploit the abundant but finite fossil fuels — coal, oil and natural gas — and convert their stored solar energy to power for productive use. This use has accelerated to the extent that the modern era has been called the "fossil fuel age."

The availability of abundant and inexpensive energy led ultimately to western industrialization and evolution of an energy-intensive, high technology society. Contemporary material abundance (for a portion of the world's population) is both a cause and consequence of technological application to energy and mineral extraction, processing and use. Our potential has been extended even further with the promise of nuclear, solar, geothermal, wind and other more exotic energy systems and sources. Low cost abundant energy has made available services and consumer goods beyond the most ambitious expectations of ancient kings.

As is generally the case, negative consequences have accompanied the positive. Not only has the quality of life improved, but growth and affluence have also encouraged the disintegration of traditional conservation practices and the growth of a "consumption ethic." "Waste," in the words of one observer, "has become one of our most important products." The term often used to describe our casual disregard for resources is the "throwaway society." We are living with an assumption of infinite resources, infinitely exploitable. There is, however, substantial evidence that we have entered a period of transition — that we are moving inexorably toward the more normal conditions of scarcity.

As we approach inherent limits of finite resources, it will be increasingly essential to practice a conservation ethic. Failure to do so will erode the potential for an acceptable quality of life for future generations and the possibility that less advantaged peoples will rise above conditions of marginal survival. Wise and efficient consumption practices, however, will not occur spontaneously. Attitudes and skills that form the basis for such behavior will result only from carefully conceived and implemented educational experiences — or the futility and desperation of crisis. The educational community's responsibility is a clear and urgent one.

The *Energy Films Index* is designed to help our educator colleagues identify appropriate films for use in their classrooms. By providing easy access to these resources we hope to encourage their use within existing instructional programs.

The need for energy literacy is as basic as survival.

John C. Jones, D.Ed.
President
Energy & Man's Environment

ENERGY & MAN'S ENVIRONMENT

Energy & Man's Environment (EME) is a nonprofit corporation serving America's educational communities. EME initiates and supports balanced educational programs designed to create an energy literate public.

EME EDUCATIONAL RESOURCES

The ENERGY FILMS INDEX is one of several resource documents designed to help our educator colleagues in their energy education efforts. Specifically, by identifying current energy films, the INDEX supports the student-oriented, multi-disciplinary, K-12 instructional materials prepared by Energy & Man's Environment.

A useful companion piece to this INDEX is the 1978 edition of the ENERGY EDUCATION BIBLIOGRAPHY. The BIBLIOGRAPHY contains a variety of instructional resources other than films.

THE ENERGY FILMS INDEX

The number and availability of films on energy and the environment increases yearly. In this second edition of the Energy & Man's Environment ENERGY FILMS INDEX, many new films have been included. Dated films and those no longer available have been eliminated. Price and distributor address changes have been reflected as accurately as possible.

These films express differing perspectives and points-of-view. It is our belief that the ability to make wise choices about our energy future will derive from an examination of ALL sides of a question. We encourage you to strive for balance in your classroom film presentations.

HOW TO USE THIS INDEX

SAMPLE FILM CITATION

FILM SOURCES AND DISTRIBUTORS CODE
(See p. 33 for alphabetical listing and addresses.)

GRADE LEVEL CODE

P= Primary
E= Elementary
J= Junior High
S= Senior High
C= College
A= Adult

18 DOWN TO EARTH CITY LIVING
J-A 1977 18 C PYR
Purchase: \$250 Videocassette: \$190
Rental: \$30

The possibilities of energy conservation that intelligent planning can offer for a family dwelling — the adaptation of an older house inside city areas. The Integral Urban House project of the Farallones Institute demonstrates solar energy utilization, the recycling of organic waste, backyard gardening, etc.

Film citations are listed alphabetically. Each film is also numbered consecutively, in order for you to use the TOPICAL REFERENCE GUIDE (p. 9). Below each film title, you will find a grade level code, year of production, running time in minutes, availability in color (C) or black and white (B&W), distributor code (see FILM SOURCES AND DISTRIBUTORS, p. 33), and purchase and/or rental price. Films that can be obtained on free loan are so noted.

HOW TO OBTAIN FILMS

If you find a film that interests you, check FIRST for availability from your school district's media center and/or local utility. These two sources can usually supply their films at no cost. Next, check your nearest university film library (see MAJOR UNIVERSITY RENTAL/LOAN FILM LIBRARIES, p. 37). University film libraries can often rent films at a lower cost than the original distributor. If the film you want is not available from any of the above sources, you will need to contact the original distributor (see FILM SOURCES AND DISTRIBUTORS, p. 33). In any case, PLAN AHEAD. Allow plenty of time to obtain purchase/rental/loan information for the source you plan to use.

ALPHABETICAL LISTING OF FILMS

TITLE	GRADE LEVEL	PAGE
Atom And The Environment, The	J-S	10
Bate's Car	J-A	10
Before The Mountain Was Moved	J-S	10
Big Sun And Our Earth, The	P	10
Black Coal, Red Power	S-A	10
Bottom Of The Oil Barrel, The	S-A	10
Bridge To Tomorrow	J-A	10
Buttercup	P-A	10
Challenge At Glenrock	J-A	10
Challenge Of The Future	J-S	10
Chemical Changes All About Us	E	11
Choices	E-C	11
Clean Town, U.S.A.	J-A	11
Conservation — Investing In Tomorrow	J-A	11
Dawn Of The Solar Age	S-A	11
Development Of Power, The	E-J	11
Don't Cut Us Off	J-A	11
Down To Earth City Living	J-A	11
Ecology Lady	J-S	11
Edison, Persistent Genius	E-J	11
Thomas Edison	E-J	11
EE-YI-EE-YI-OH	P-A	11
800 Miles Of Winter	J-A	12
Einstein	S-A	12
Albert Einstein	E-S	12
Albert Einstein: The Education Of A Genius	S-A	12
Electric Northwest	J-A	12
Electric Safety . . . From A To Zap	E	12
Electric Talking Picture (Revised)	P-A	12
Electricity	E	12
Electricity For Beginners	P	12
Electricity From Chemicals	E	12
Electricity — Handle With Care!	E-J	12
Electricity: Production	J-S	13
Electricity: Wires In Your Home	P-J	13
Electromagnets: How They Work	E-J	13
Energetics Of Life	C	13
Energy	J-S	13
Energy	J-S	12
Energy	S-A	13
Energy	P-E	13
Energy — A Family Album	J-A	13
Energy: A First Film	P	13
Energy: A Matter Of Choices	J-S	13
Energy: A National Issue	J	13
ENERGY / A SERIES		
Energy: The Dilemma	JA	14
Energy: The Nuclear Alternative	J-A	14
Energy: New Sources	J-A	14
Energy: Less Is More	J-A	14
Energy: Ability To Do Work	P-J	14
Energy And Living Things	P-J	14
Energy And Matter	E	14
Energy And Nuclear Power	E-S	14
Energy Bridge, The	J-A	14
Energy: Can't Do Without It	E	14
Energy Carol, The	E-A	14
Energy Crisis, The	S-A	14

TITLE	GRADE LEVEL	PAGE
ENERGY CRISIS / A SERIES		
Environment	J-A	15
Coal	J-A	15
Natural Gas	J-A	15
Power	J-A	15
Oil In The United States	J-A	15
Oil In The Middle East	J-A	15
Energy: Critical Choices Ahead	S-A	15
Energy Dilemma, The	S-A	15
Energy For The Future	E-A	15
Energy: Harnessing The Sun	S-A	16
Energy Management	J-A	16
Energy Realities	S-A	16
ENERGY SOURCES: A NEW BEGINNING / A SERIES		
Energy Sources: A Matter Of Policy	S-A	16
Geothermal Power: The Great Furnace	S-A	16
Energy: The Great Controversy	S-A	16
Nuclear Gas Stimulation: Tapping Our Natural Heritage	S-A	16
Oil Shale: The Rock That Burns	S-A	16
The Sleeping Giant: Coal	S-A	16
Solar Power: The Giver Of Life	S-A	16
Tar Sands: Future Fuel	S-A	17
Wind Power: The Great Revival	S-A	17
Energy Sources Of The Future	E	17
Energy: The American Experience	E-C	17
Energy: The Ultimate Problem?	J-S	17
Energy: Toward The Age Of Abundance	J-A	17
Energy: Towards The Age Of Abundance	J-A	17
Energy Vs. Ecology: The Great Debate	J-A	17
Energy: What About Tomorrow?	S-A	17
Exploring The Atomic Nucleus	J-C	17
Exploring Electric Energy	J-S	17-18
Faces Of Energy	S-A	18
Focus On Energy	P-A	18
Food, Energy, And You (Revised)	E-J	18
Food: Energy From The Sun	E-J	18
Food From The Sun	P	18
Food Supply: Its Effect On Civilization	E-S	18
Funny Thing Happened On The Way To the Gas Station, A	J-A	18
Fusion' The Electric And Infinite Future	J-A	18
Fusion: The Energy Promise	S-A	18
Gasoline And How To Stretch It	J-A	18-19
Geothermal: Nature's Boiler	J-A	19
Geothermal Power	S-C	19
Geysers And Hot Springs (Revised Edition)	E-S	19
Great Search, The: Man's Search For Power And Energy	J-A	19
Happy Tuesday Recycling Jug Band Truck (Revisited), The	P-A	19
Have Our Planet And Eat It Too?	J-S	19
Heat And How We Use It	P	19
Here Comes The Sun	J-A	19
History of Natural Gas, A	E	19
Homemade Electricity	E-J	19
Horsepower	E-J	20
How Does A Lightbulb Work?	P-E	20
How To Make A Solar Heater	J-A	20
How To Produce Electric Current With Magnets	E-J	20
Iceland: How Clear The Hot Springs Bubble	J-S	20
I'm No Fool With Electricity	E	20
Incident At Brown's Ferry	S-A	20
Introducing Ecology: Dependence & Sharing	E-J	20
Introduction To Electricity (2nd Edition)	J	20
Is A Career In Atomic Energy For You?	S-A	20
Is A Career In The Electric Industry For You?	S	20

TITLE	GRADE LEVEL	PAGE
Is A Career In Mining, Petroleum or Gas Production For You?	S	21
Japan And The Sun	J-A	21
King Zogg And The Energy Crunch	E	21
Land For All Reasons, A	J-A	21
Last Resort, The	S-A	21
Learning About Electric Current (2nd Edition)	E-J	21
Learning About Heat (2nd Edition)	E-J	21
Learning About Magnetism (2nd Edition)	E-J	21
Learning About Nuclear Energy (2nd Edition)	E-J	21
Learning About Solar Energy	E	21
Leisure	J-A	22
Light All About Us	P-E	22
LNG (Liquefied Natural Gas) Is On Its Way	J-A	22
Look To The Sun	S-A	22
Look What We've Done To This Land	J-A	22
Lovejoy's Nuclear War	S-A	22
Mankind At the Turning Point	S-A	22
Matter And Energy (2nd Edition)	J-S	22
Matter Of Energy, A	J-A	22
Mining And The Environment	J-A	22
Money To Burn	S-A	22
More Nuclear Power Stations	J-A	23
Mouse-Activated Candle Lighter	E-J	23
Mr. Edison's Dilemma	S-A	23
My Nuclear Neighbor	J-A	23
Natural Gas And Clean Air	J-A	23
Natural Gas: Energy Going To Market	J-S	23
Natural Gas: Flowing Energy	J-S	23
Nature Of Life, The: Energy And Living Things	J	23
Nature's Forge	J-S	23
Need For Nuclear Energy, The: Our Energy Options	S-A	23
No Deposit — No Return	P-A	23
Now That The Dinosaurs Are Gone	S-A	23-24
Nuclear Dilemma	J-A	24
Nuclear Energy: Power For Today And Tomorrow	S-A	24
Nuclear Power: An Introduction	S-A	24
Nuclear Power In The U.S.	S-A	24
Nuclear Power: Questions And Answers	J-A	24
Offshore: The Search For Oil and Gas	J-S	24
Oil Weapon, The	S-A	24
Oil Well	J-S	24
Onshore Planning For Offshore Oil	S-A	24
On The Move	J-A	24
Other Way, The	S-A	25
Our Friend The Atom	E-S	25
People Who Fight Pollution	J-S	25
Perry Environment, The	J-A	25
Plasma: The Fourth State Of Matter	E-S	25
Plutonium Connection, The	S-A	25
Power And Wheels: The Automobile In Modern Life	E-S	25
Power From The Earth	J-A	25
Powers Of Ten	J-S	25
Power Without End (Revised)	E-S	25
Project Sage	J-S	25-26
Putting Energy Alternatives To Work	S-A	26
Putting The Sun To Work	J-A	26
Question of Balance, A	S-A	26
Question of Values, A	S-A	26
Radiant Energy And The Electromagnetic Spectrum	J-S	26
Ravaged Land, The	S-C	26
Recycling Waste	J-S	26
Refinery	J-S	26
Safety In Salt: The Transportation, Handling, and Disposal of Radioactive Waste	J-S	26

TITLE	GRADE LEVEL	PAGE
Safety: Second To None	J-A	27
Saving Energy At Home	J-A	27
Saving Energy On The Road	S-A	27
Search For New Energy: Part I	J-S	27
Search For New Energy: Part II	J-S	27
Sea Venture	J-S	27
Sea We Cannot Sense, A	J-A	27
Small Case Of Blackmail, A	S-A	27
Solar Energy: To Capture The Power Of Sun And Tide	J-A	27
Solar Energy: Unlimited Power	J-S	27
Solar Generation, The	J-S	27-28
Solar Heating	J-S	28
Spin! Toot! Scoot!	P-E	28
Story Of Electricity, The: The Greeks To Franklin	J	28
Strip Mine Trip	J-A	28
Struggle For Power	J-S	28
Sun, The	E	28
Sun And How It Affects Us	E	28
Sunbeam Solution, The	J-A	28
Sun: Friend Or Foe?	P	28
Sun, The: Its Power and Promise	J-A	28
Sunlight: A First Film	P-E	28
Sun Power For Farms	J-A	29
Sunspot Mystery, The	S-A	29
Switch On The Sun (Revised)	E-S	29
Terrible News, The	J-A	29
There's Coal In Them Thar Hills	S-A	29
This Nuclear Age	J-A	29
Thousand Suns, A	P-A	29
Three E's: Energy, Economics, Environment	J-A	29
Tilt	J-A	29
Toast	E-A	30
To Bottle The Sun	S-A	30
To Imitate The Sun	E-A	30
Trash To Kilowatts	J-S	30
Treasures Of The Earth (Revised Edition)	E-J	30
Trojan For Tomorrow	E-A	30
Trouble With Trash, The	S-A	30
Turn A Handle; Flick A Switch	P-E	30
Turning On Energy	E	30
Ultimate Energy, The	S-A	30
Understanding Matter And Energy	J-A	31
Unseen Journey	J-A	31
Up The Power Curve	J-A	31
Volta And Electricity	S-A	31
Waves And Energy	E-J	31
We Use Power (Revised Edition)	E	31
We Will Freeze In The Dark	S-A	31
Web Of Life: Endless Chain	P-A	31
Well In West Virginia, A	J-S	31
Western Coal: An American Dilemma	J-S	31
When The Circuit Breaks	S-A	31
Where All Things Belong	J-A	32
Where The Little Light Bulb Gets Its Juice	E	32
Which Energy	J-A	32
Wind and What It Does	P	32
Winds And Their Causes (2nd Edition)	E	32
World Of Energy, A	J-A	32
World Within World	S-A	32
You Can't Go Back	P-A	32

TOPICAL REFERENCE GUIDE

The films listed in this INDEX have been placed in categories to facilitate lesson planning for the classroom. All films in the INDEX are numbered consecutively. The categories below list the numbers of the specific films in each category. Some films are included in more than one category.

GENERAL FILMS ON ENERGY

11, 16, 37-46, 50-52, 55, 64, 70, 80, 101, 104, 108, 115, 121, 125, 130, 135-136, 141, 147-148, 166, 170-171, 177, 194, 210-213, 217, 220, 223, 228, 236, 241.

CONSERVATION OF ENERGY

2, 13-14, 18-19, 29, 45, 49, 56, 68, 84, 97, 102, 137, 139, 150, 164, 179, 183-184, 210, 216, 219, 225, 229, 233-234.

HISTORY OF ENERGY DEVELOPMENT

7, 16, 20-21, 24-26, 38, 101, 195, 226, 239

COAL

3, 5, 9, 54, 59, 75, 84, 133, 208, 232

ELECTRICITY

27-36, 61, 87, 107, 109, 111, 113, 116, 118, 124, 126, 235

FOOD & ENERGY

90-93

GEOTHERMAL

71, 98-100, 112, 169

NATURAL GAS

60, 73, 89, 106, 131, 144-146, 221, 231

NUCLEAR ENERGY

1, 47, 53, 57, 72, 86, 95-96, 114, 117, 123, 127, 134, 140, 143, 149, 151-156, 161-163, 165, 167, 181-182, 188-189, 209, 214-215, 218, 222, 240

OIL/PETROLEUM

6, 23, 62-63, 88, 94, 97, 119, 157, 158-160, 180, 187, 224

OIL SHALE

74, 122

SOLAR ENERGY

4, 67, 76, 105, 110, 120, 128, 132, 172, 174, 190-193, 198-206

TAR SANDS

77

TIDAL ENERGY

190, 227

WIND

78, 237, 238

IMPACTS OF ENERGY

3, 5, 7-9, 12, 22, 54, 58-59, 63, 65, 72, 81, 93, 103, 114, 122-123, 129, 133-134, 138, 142, 150, 152, 168, 176, 178, 188-189, 196, 207-208, 219, 230, 232, 241

FUTURE OF ENERGY

6, 10, 15, 48, 57, 61, 64-66, 69, 79, 81-83, 85, 129, 162, 171, 173, 175, 185-186, 197, 207, 239

INDIVIDUAL FILM CITATIONS

- 1 **ATOM AND THE ENVIRONMENT, THE**
J-S 1971 22 C DOE
Free Loan

How atomic energy directly and indirectly helps man's fight to preserve and restore the threatened environment.

- 2 **BATE'S CAR**
J-A 1975 15½ C AMP
Purchase: \$245 Rental: \$25

A delightful film encounter with a man who found his own solution to the gasoline shortage in a barnyard manure pile. Harold Bate long ago discovered that methane gas, generated by animal wastes, would carry him far and fast once it was fed into the engine of his car. How he turns ripe manure into potent fuel is clearly explained by Mr. Bate himself.

- 3 **BEFORE THE MOUNTAIN WAS MOVED**
J-S 1970 58 C HILL
Purchase: \$695 Rental: \$35

A documentary record of a people's lobby to save the mountains of Raleigh County, West Virginia, from strip mining, told through the eyes of an old time miner.

- 4 **BIG SUN AND OUR EARTH, THE**
P 1957 10 C COR
Purchase: \$150

Basic concepts about the sun and its effects on the earth. Observes changing length of shadows, how flowers respond to sunlight, why there is day and night and how the sun heats and lights the earth.

- 5 **BLACK COAL, RED POWER**
S-A 41 C IU
Purchase: \$390 Rental: \$15.25

Documents the strip mining of coal on Navajo and Hopi reservations in Arizona, which is destroying the natural economy of the Indians and the ecological balance of the land. The coal company's position is also documented. The clash between a pastoral way of life and the energy needs of millions of city dwellers is dramatically presented.

- 6 **BOTTOM OF THE OIL BARREL, THE**
S-A 1974 34 C TLM
Purchase: \$425 Videocassette: \$215
Rental: \$40

Surveys remaining oil reserves, rates of depletion of each reserve and projected dates when each will run dry, and suggests alternatives to current patterns of usage.

- 7 **BRIDGE TO TOMORROW**
J-A 26½ C SCOPE
Purchase: \$325

Dr. Alvin Weinberg, currently Director of the Institute for Energy Analysis at Oak Ridge, Tennessee, travelled thousands of miles with a film crew from Africa to England and throughout the United States to narrate the history of energy development since the early days of man; to show the importance of energy, particularly nuclear energy, and to show energy's impact on society.

- 8 **BUTTERCUP**
P-A 1971 11 C CHUR
Purchase: \$140 Rental: \$15/3 days

Follows a buttercup slipping along the silvery surface of a glistening stream from wilderness headwaters until it is swallowed in the stench, sludge and garbage of industrial man.

- 9 **CHALLENGE AT GLENROCK**
J-A 1976 25 C PP&L
Free Loan

Reports on how Pacific Power & Light reclaims strip-mined coal lands. Shows how the land is shaped to erosion-resistant grades, stockpiled topsoil applied and graded, straw mulch added, and wheatgrass planted.

- 10 **CHALLENGE OF THE FUTURE**
J-S 1975 29 C DOE
Free Loan

Views dwindling energy resources and energy operations from synthetic coal and gas; increased use of nuclear power and energy conservation to solar, geothermal and breeder reactors. Looks beyond year 2000 to controlled thermonuclear research, laser fusion and solar electric experiments.

11 CHEMICAL CHANGES ALL ABOUT US

E 1972 14 C COR
Purchase: \$210

Chemical changes take place around us every day. We see that when chemical changes occur, substances form new substances and that energy is either used or given off. Explains atoms and molecules, elements, mixtures and compounds.

12 CHOICES

E-C 1975 27 C CAT
Free Loan

"Beauty is in the eye of the beholder," a wise man said. How do you see it . . . in affordable new housing or in a forest filled with birdsong? Thoughtfully explores choices between balanced growth with environmental responsibility. Includes a discussion of strip-mining.

13 CLEAN TOWN, U.S.A.

J-A 1971 14 C SND
Free Loan

The people of Franklin, Ohio recycle household garbage, then market the usable materials right in their own town. Energy saving aspects are implicit.

14 CONSERVATION — INVESTING IN TOMORROW

J-A 1977 6½ C DOE
Free Loan

Some ways we can save energy now: more efficient machines and industrial processes, improving the transmission of electric power, new autos, making homes and buildings energy efficient.

15 DAWN OF THE SOLAR AGE

S-A 1976 58 C TLM
Purchase: \$650 Videocassette: \$325
Rental: \$60

An examination of the solar, wind and water energy alternatives to our current energy sources, and the problems involved in making them economical and efficient. From the "New World" series.

16 DEVELOPMENT OF POWER, THE

E-J 1975 11 C AVED
Purchase: \$130 Rental: \$10/day; \$20/week

Studies progress from muscle power to atomic power. Portrays use of animals, wind, water, steam, electricity, combustion, jet propulsion and atoms. Details how various power sources are converted into useful energy.

17 DON'T CUT US OFF

J-A 1976 16 C DOE
Free Loan

Documents the activities of four American communities to solve a common national problem — the high cost of energy as it affects the poor and elderly.

18 DOWN TO EARTH CITY LIVING

J-A 1977 18 C PYR
Purchase: \$250 Videocassette: \$190
Rental: \$30

The possibilities of energy conservation that intelligent planning can offer for a family dwelling — the adaptation of an older house inside city areas. The Integral Urban House project of the Farallones Institute demonstrates solar energy utilization, the recycling of organic waste, backyard gardening, etc.

19 ECOLOGY LADY

J-S 1971 11 C FINLEY
Purchase: \$150 Rental: \$15

A woman who runs a neighborhood recycling center tells about her problems but enthusiastically says, "Right on!"

20 EDISON, PERSISTENT GENIUS

E-J 1965 16 C AIMS
Purchase: \$225 Rental: \$30/3 days
Dramatizes Edison's research, investigations and inventions. Shows the role of science and research in making change.

21 THOMAS EDISON

E-J 1968 26 B&W HILL
Purchase: \$195 Rental: \$14

This biography begins with pictures of Edison's early boyhood and portrays scenes in his career until his death in 1931.

22 EE-YI-EE-YI-OH

P-A 1972 10½ C PE
Purchase: \$130 Rental: \$13

Focuses the revealing and potent satire of the animated-cartoon fable "Animal Farm" directly on our society's approach to the problems of pollution. Shows the efforts being made today, the importance of a constructive attitude, and points out specific solutions.

23 800 MILES OF WINTER

J-A 1978 27 C CAT
Free Loan

From the discovery of oil at Prudhoe Bay in 1968, to the loading of the first tankers at Valdez in 1977, this is the story of one of the most difficult and costly construction projects ever attempted.

24 EINSTEIN

S-A 1969 42 B&W TLM
Purchase: \$385 Videocassette: \$195
Rental: \$40

The story of the man told by his friends and colleagues in interviews and material both rare and personal.

25 ALBERT EINSTEIN

E-S 1970 16 C HILL
Rental: \$15

Albert Einstein changed ideas about the universe when he published three theories that made possible such presently accepted things as motion pictures, television, and harnessing atomic energy. Includes an interesting analogy of " $E=mc^2$ " and discussion of other theories and their implications.

**26 ALBERT EINSTEIN:
THE EDUCATION OF A GENIUS**

S-A 1974 44 C FHS
Purchase: \$550 Rental: \$52.50

Explores Einstein's youth using his own recollections and rare historical footage. Studies the formative influences and creative qualities of a genius. Retraces the places, institutions, people and memorabilia along his path.

27 ELECTRIC NORTHWEST

J-A 22 C PSP&L
Free Loan

A brief history of the electric utility industry concentrating on its development in the Pacific Northwest. Uses animated cartooning throughout.

28 ELECTRIC SAFETY ... FROM A TO ZAP

E 1970 9½ C PE
Purchase: \$130 Rental: \$13

Animated introduction to electricity. Shows what it is, how it gets to and travels through homes, and hazards and safety precautions. Strong safety orientation.

29 ELECTRIC TALKING PICTURE (Revised)

P-Aq 1977 13 C KGP
Purchase: \$250

A brief history of power, a simplified explanation of how electricity is made, and a conservation message in an animated film narrated by Bob and Ray.

30 ELECTRICITY

E 1971 13 C WD
Purchase: \$210 Rental: \$25

Live action, animated diagrams, working models and photographs are combined with original music to answer three basic questions about electricity: Where does it come from? How does it work? How does it get to me?

31 ELECTRICITY FOR BEGINNERS

P 1963 10½ C COR
Purchase: \$160

Simple demonstrations using familiar objects show principles of electricity and how it can produce heat, light and magnetism.

32 ELECTRICITY FROM CHEMICALS

E 1966 14 C COR
Purchase: \$210

Chemical reactions in an electric cell cause push at one end of a wire and pull at the other to move electrons through it and produce an electric current. Dry cells, nickel-cadmium rechargeable batteries and lead storage batteries are explained.

33 ELECTRICITY — HANDLE WITH CARE!

E-J 1974 16 C HANDEL
Purchase: \$220 Rental: \$22

Every year 140,000 homes burn from carelessness with electricity. A thousand people a year die from electric shock. Animation and live examples explain basic principles of electricity and their relationship to the average household. Specific danger areas are discussed.

34 ELECTRICITY: PRODUCTION

J-S 1964 15 C/B&W IU
 Purchase: \$210C/\$110B&W
 Rental: \$9.25/\$7.00

Explores the production of electrical currents, from the historic discoveries of Michael Faraday to today's massive generators, and chemical heat and light conversions.

35 ELECTRICITY: WIRES IN YOUR HOME

P-J 1965 11 C AIMS
 Purchase: \$155 Rental: \$20/3 days

A behind-the-wall's look at wires in the home. Follows power poles to a generating station and includes an explanation of electricity and how it works.

36 ELECTROMAGNETS: HOW THEY WORK

E-J 11 C EBEC
 Purchase: \$100 Rental: Inquire

Demonstrates that an electromagnetic field is created by a flow of electricity through a conductor, and explains that electromagnets have technological advantages over permanent magnets.

37 ENERGETICS OF LIFE

C 1972 23 C TMG
 Purchase: \$345 Rental: \$35/3 days

Treats the functions of energy in living things — kinetic and potential energy; thermodynamics; free energy; and chemical energy. Describes structure and function of AIP molecules, photosynthesis, and metabolism of glucose.

38 ENERGY

J-S 1972 20 C AGA
 Free Loan

Traces energy sources from the first fires to atomic energy. The film outlines problems and offers possible solutions. An ideal "thought starter" for environmental uses.

39 ENERGY

J-S 1970 14 C BFA
 Purchase: \$205 Rental: \$18

A stimulating artistic analysis examines the universal role of energy in physical process.

40 ENERGY

S-A 1973 27 C HILL
 Purchase: \$295
 Rental: \$22 (UCEMC); \$30 (HILL)

A comprehensive look at the nature of energy, featuring three eminent scientists: Dr. Linus Pauling of Stanford; Dr. George Wald of Harvard; Dr. Philip Morrison of MIT.

41 ENERGY

P-E 1974 10 C PC
 Purchase: \$160

Explores energy in human beings, animals, the elements and the earth. Shows how these different kinds of energy are harnessed and the ways in which they are used daily in home and industry.

42 ENERGY — A FAMILY ALBUM

J-A 1977 8½ C DOE
 Free Loan

A brief history of energy in America follows with some details of the nation's plan to keep ahead of energy demands, including the use of alternate sources of fuel and of geothermal and solar power.

43 ENERGY: A FIRST FILM

P 1971 8 C BFA
 Purchase: \$130 Rental: \$15

Covers kinds of energy and their uses.

44 ENERGY: A MATTER OF CHOICES

J-S 1973 22 C EBEC
 Purchase: \$290
 Rental: \$17/3 days; \$2/ea. add'l day

An overview of sources, attitudes and consumption of energy.

45 ENERGY: A NATIONAL ISSUE

J 27 C AIMS
 Purchase: \$385 Rental: \$50/3 days

This film humorously conveys information as it follows the Flintstones through history as Mr. and Mrs. Average Man. Among topics covered are: the history of energy sources, the problem of energy loss in converting heat to electricity, the increasing use of and demand for energy, the economic effects of our growing dependence on imports, the high cost of nuclear energy, and the problems with options and alternative energy sources. It concludes by demonstrating that the immediate need is for more efficient use of energy to buy time in which to solve the problems.

Energy & Man's Environment does not maintain a film library. Please read HOW TO USE THE INDEX (p. 4) for information on obtaining these films.

ENERGY / A SERIES

46 ENERGY: THE DILEMMA

J-A 1974 20 C CHUR
Purchase: \$240 Rental: \$21/3 days

Energy growth patterns — past, present and future. Explores problems of supply, demand, depletion of fossil fuels, and economic and social problems.

47 ENERGY: THE NUCLEAR ALTERNATIVE

J-A 1974 20 C CHUR
Purchase: \$240 Rental: \$21/3 days

Explores what fission power is, how it works, and the controversies over safety and radioactive waste.

48 ENERGY: NEW SOURCES

J-A 1974 20 C CHUR
Purchase: \$280 Rental: \$21/3 days

The potential and limits of new technologies, including solar, fusion and geothermal. Argues for development of a variety of options.

49 ENERGY: LESS IS MORE

J-A 1974 18 C CHUR
Purchase: \$250 Rental: \$21/3 days

Considers the need to cut back energy use. Discusses four principal areas: transportation, buildings, appliances, and waste.

50 ENERGY: ABILITY TO DO WORK

P-J 1968 9 C AIMS
Purchase: \$130 Rental: \$20/3 days

Presents a basic approach to understanding fundamental principles of different types of energy: potential, kinetic, solar, chemical, human, plant, mechanical, gravitational, electric and heat.

51 ENERGY AND LIVING THINGS

P-J 1972 10½ C CEF
Purchase: \$165 Rental: \$16.50

Defines energy and living matter and demonstrates how they are essential to all forms of life. Traces solar energy through plants to herbivores, carnivores, decomposers and to fossil fuels. Discusses the energy requirements of humankind and investigates our use of remaining fuel energy reserves.

52 ENERGY AND MATTER

E 1975 9 C UCCEMC
Rental: \$13

Employs animation to define and explain the basic concepts of energy and matter and their conversion from one to another.

53 ENERGY AND NUCLEAR POWER

E-S 1977 14 C XEROX
Purchase: \$240

The story of the Energy Crisis — what it is, how it happened, and what is to come — including a long look at the promises and problems of nuclear power.

54 ENERGY BRIDGE, THE

J-A 21 C ASN
Free Loan

Documents the surface mining of coal, including reclamation of stripped land.

55 ENERGY: CAN'T DO WITHOUT IT

E 1976 14 C HILL
Purchase: \$225 Rental: \$12.50

The lesson of energy begins at home. From the machines that help us make our breakfasts, to the lights that help us to read and do homework at night. All kinds of energy and their sources are explored — electrical, fossil fuels, coal and oil. The connection between the need for oil and the world political situation is examined.

56 ENERGY CAROL, THE

E-A 1977 11 C NFB
Purchase: \$160 Rental: \$20

A modern-day parody of Dickens' "A Christmas Carol," this animated production stars Ebenezer Stooze, Bob Scratchit, and the spirits of energy past, present and future. Basically a conservation message.

57 ENERGY CRISIS, THE

S-A 1972 13 C JF
Purchase: \$175

Includes projection showing depletion times of fossil fuels. Dramatizes several future scenarios for American life, and surveys the development of the fast breeder reactor and fusion reactor.

ENERGY CRISIS / A SERIES

58 ENVIRONMENT

J-A 1973 11 C FI
Purchase: \$180 Rental: \$20

The United States is a technological, affluent society, wasteful and polluting. Some say America's prosperity is built on growth, on using energy. Others argue that growth is to no purpose if it results in the destruction of the environment. A case in point was the Alaskan pipeline, which engendered a bitter struggle between the environmentalists and the oil companies. The project is finally under way. Whether the cost to the environment will be excessive, only time can tell.

59 COAL

J-A 1973 27 C FI
Purchase: \$355 Rental: \$30

The dilemma of Montana is the dilemma of many areas with coal resources. The economical way to mine coal in Montana is strip mining. But this means irretrievably changing large areas of the land. The mining companies say they will reclaim it, but the cost is high. On the other hand, extensive mining would give the state a source of new income which could provide better educational and health facilities.

60 NATURAL GAS

J-A 1973 17 C FI
Purchase: \$240 Rental: \$20

Natural gas is a cheap, clean and efficient fuel. Today it heats half of all American homes and fuels half of our industrial production. But we are consuming ourselves out of gas by using it twice as fast as it is being found.

61 POWER

J-A 1973 19 C FI
Purchase: \$260 Rental: \$20

By the year 2000, if present trends continue, Americans will be using seven times the amount of electricity as in 1970. For Americans used to lots of cheap power, the price will be high — perhaps even painful.

62 OIL IN THE UNITED STATES

J-A 1973 37 C FI
Purchase: \$445 Rental: \$38

This report probes the WHYS of the problems in the production and distribution of oil. From the environmentalists who are concerned with refineries and the use of deep water ports to independent oil dealers who are forced to close because of lack of supply — the questions are many and complex.

63 OIL IN THE MIDDLE EAST

J-A 1973 20 C FI
Purchase: \$275 Rental: \$20

Saudi Arabia, Iran and Kuwait own more than half of the world's known oil reserves. The United States' position vis-a-vis these Middle Eastern nations is delicate: America has an emotional if not a military commitment to Israel; we have a deep economic interest in Arab oil; we have a strategic interest in avoiding conflict with Russia in the Middle East. This film examines the ways in which the United States can reconcile these three elements, and the effect of the oil economy on various Middle Eastern nations as they find themselves in a new position of power.

64 ENERGY: CRITICAL CHOICES AHEAD

S-A 1975 27 C USDC
Purchase: \$175 Free Loan

Puts the energy problem into perspective by orders of magnitude and looks at the efforts required to meet anticipated energy demands.

65 ENERGY DILEMMA, THE

S-A 1974 18 C FI
Purchase: \$250 Rental: \$20

The energy crisis is purely a matter of people increasing in number and demanding high quantities and quality of goods and services. Predictions for the next decade are for twice the energy demand as today. No way exists now to meet that demand. The solution may be to limit our energy appetite — use less; demand less. But are we prepared to?

66 ENERGY FOR THE FUTURE

E-A 1974 17 C EBEC
Purchase: \$220 Rental: Inquire

Examines the current dependence of industrialized countries on dwindling supplies of natural fossil fuels. Shows intensive research underway into new sources of energy, including processed coal, shale oil, geothermal heat, nuclear fission, wind energy and solar heat.

- 67 ENERGY: HARNESSING THE SUN**
S-A 1974 19 C UCCEMC
Rental: \$20

Uses animated diagrams to explain various proposals for harnessing solar energy for the generation of electricity.

- 68 ENERGY MANAGEMENT**
J-A 15 C WJK
Purchase: \$275 Free 1-day loan

Guidelines for responsible management in the day-to-day personal use of energy.

- 69 ENERGY REALITIES**
S-A 22 C FCI
Purchase: \$135

Provides a positive but realistic look at solar and other energy options. It urges conservation, and concludes that because of continuing growth and the unavailability of other proven sources, coal and uranium will have to assume much of our energy burden over the next 20 or more years.

ENERGY SOURCES: A NEW BEGINNING/ A SERIES

- 70 ENERGY SOURCES: A MATTER OF POLICY**
S-A 1975 29 C UCOLO
Purchase: \$333 Videocassette: \$230
Rental: \$10/3 days

Reviews where we have been and where we are going in our efforts to secure sufficient energy to meet constantly increasing demands. Considers America's possible independence from foreign sources and environmental safeguards.

- 71 GEOTHERMAL POWER: THE GREAT FURNACE**
S-A 1975 29 C UCOLO
Purchase: \$333 Videocassette: \$230
Rental: \$10/3 days

Briefly covers the historical use of geothermal energy, and reveals methods of discovering geothermal activity and of generating electrical power using the geysers of California, New Zealand and Mexico as examples.

- 72 ENERGY: THE GREAT CONTROVERSY**
S-A 1978 29 C UCOLO
Purchase: \$333 Videocassette: \$230
Rental: \$10/3 days

Questions the possibility of changing the image of nuclear power from weapon to energy producer. Discusses fission processes vs. fusion technology and reactors and their possible dangers.

- 73 NUCLEAR GAS STIMULATION: TAPPING OUR NATURAL HERITAGE**
S-A 1975 29 C UCOLO
Purchase: \$333 Videocassette: \$230
Rental: \$10/3 days

Traces the historical use of natural gas. Explains that some reserves are only accessible through nuclear fracturing. Considers the potential dangers of this process to society and the environment.

- 74 OIL SHALE: THE ROCK THAT BURNS**
S-A 1975 29 C UCOLO
Purchase: \$333 Videocassette: \$230
Rental: \$10/3 days

Although oil shale has been known as an energy source for 600 years, it has also been known as an expensive source to process, and the ecological damage of mining it is yet to be determined.

- 75 THE SLEEPING GIANT: COAL**
S-A 1975 29 C UCOLO
Purchase: \$333 Videocassette: \$230
Rental: \$10/3 days

Explains the coal formation process and discusses the historical use of coal dating back to 4,000 years ago. Reviews new coal technologies to produce synthetic fuels, along with the problems they present for the economy and ecology.

- 76 SOLAR POWER: THE GIVER OF LIFE**
S-A 1975 29 C UCOLO
Purchase: \$333 Videocassette: \$230
Rental: \$10/3 days

Traces the studies and setbacks in the technology of developing solar energy through early civilizations, and since the Middle Ages. Examines current and prospective solar technology and the impact of commercial installations on the environment.

77 TAR SANDS: FUTURE FUEL

S-A 1975 27 C UCOLO
 Purchase: \$333 Videocassette: \$230
 Rental: \$10/3 days

Tar sands are probably the most expensive alternative energy source, not only economically but ecologically as well. The technology of extracting oil products from tar sand is reviewed.

78 WIND POWER: THE GREAT REVIVAL

S-A 1975 29 C UCOLO
 Purchase: \$333 Videocassette: \$233
 Rental: \$10/3 days

The history and current development of technologies to utilize the power of wind.

79 ENERGY SOURCES OF THE FUTURE

E 1976 15 C HILL
 Purchase: \$240 Rental: \$12.50

What do the canyons of Colorado and Utah, the dusty trails of the Western United States, the solar furnace in France and the RCA Building in New York have in common? This film answers the question by showing the many different ways to provide for ever-growing energy needs.

80 ENERGY: THE AMERICAN EXPERIENCE

E-C 1975 28½ C DOE
 Free Loan

Shows development of energy sources and their effects on U.S. industry. Also looks at fusion and solar electricity.

81 ENERGY: THE ULTIMATE PROBLEM?

J-S 1977 10 C COR
 Purchase: \$155

Can we reduce our use of energy? Is it too late to make the changes this would require? Experts, including a physical chemist, nuclear plant superintendent, utility manager, solar researcher, environmentalist, and social scientist express different points of view. But they all agree it's a serious and complex problem.

82 ENERGY: TOWARD THE AGE OF ABUNDANCE

J-A 1975 19 C PC
 Purchase: \$305

As we diminish our sources of fossil fuels, we must seek newer sources of power. Solar energy, laser research, and even the potential of quasar power are explored in this film.

83 ENERGY: TOWARDS THE AGE OF ABUNDANCE

J-A 1976 24 C DOCUA
 Purchase: \$300 Rental: \$28 (UCEMC)

In the next 10 years North America will consume more energy than it has in all its previous history. This film examines the nuclear fission plant as an alternative for traditional energy sources, and interviews people living close to a large nuclear plant in New York State, pointing out their objections to the plant. Also discusses the harnessing of fusion power and the use of tidal and solar energy.

84 ENERGY vs. ECOLOGY: THE GREAT DEBATE

J-A 1973 27½ C A-C
 Purchase: \$125

Shows how to mine coal, utilize its advantages and still leave a healthy environment. Shows surface mining and restoration to usable, productive and ecologically sound condition.

85 ENERGY: WHAT ABOUT TOMORROW?

S-A 20½ C BARR
 Purchase: \$295

This U.N. film surveys tidal, solar, geothermal and thermonuclear energy research in various parts of the world.

86 EXPLORING THE ATOMIC NUCLEUS

J-C 1969 12½ C COR
 Purchase: \$190

Protons and neutrons are composed of dozens of other particles. Shows physicists detecting and analyzing particle interactions with the aid of particle accelerators, bubble chambers, spark chambers and other sophisticated devices.

87 EXPLORING ELECTRIC ENERGY

J-S 18 C KDF
 Purchase: \$200

A colorful cinematic tour through a modern

87 Exploring Electric Energy, cont.

efficient electric power generation plant. The operation of this complex multimillion dollar generation plant is explained through simple scientific demonstrations. It is a primer on the fundamentals of electric generation and some of the costs related to it.

88 FACES OF ENERGY

S-A 28 C MTPS
Free Loan

Tells the story of the petroleum industry through a series of individual portraits of people at work. Filmed in the Atlantic with an exploration ship, along the Alaskan pipeline, offshore in the Gulf of Mexico on an oil platform, aboard a tanker moving along the lower Mississippi River, in a California refinery, and at a lobster loading dock in Maine.

89 FOCUS ON ENERGY

P-A 1972 13½ C AGA
Free Loan

Reviews national energy needs. Emphasis on natural gas.

90 FOOD, ENERGY, AND YOU (Revised)

E-J 1978 20 C PE
Purchase: \$295 Rental: \$29.50

Animated scenes show plants storing energy via photosynthesis. Also shows the mechanisms in animal bodies that release and use food energy.

91 FOOD: ENERGY FROM THE SUN

E-J 1966 10 C BFA
Purchase: \$125 Rental: \$15

Explores food chains beginning with solar energy and ending with humans.

92 FOOD FROM THE SUN

P 1966 9 C EBEC
Purchase: \$150
Rental: \$12/3 days; \$2 ea. add'l day

Demonstrations and drawings appropriate to this level show how life on earth relies on the sun for energy. Shows the basic processes of energy conversion and storage in food.

**93 FOOD SUPPLY:
ITS EFFECT ON CIVILIZATION**

E-S 1967 14 C JF
Purchase: \$175

In all societies, man attends to food needs before he develops civilization, cultural and scientific achievement. Traces factors that either foster or hinder agricultural growth and consequently civilization. Examines early Greece, Europe in the Middle Ages, Colonial America, modern day U.S., and Latin America.

**94 FUNNY THING HAPPENED ON THE WAY
TO THE GAS STATION, A**

J-A 28 C MTPS
Free Loan

A 13-year-old boy's remarkable journey as he follows the making of gasoline from a producing well in Texas to a service station in New Jersey. By means of a fantasy journey, the boy visits an actual oil production site, rides aboard an oil tanker, visits a modern refinery and an oil marketing terminal as he learns the many steps involved in producing a gallon of gasoline.

**95 FUSION:
THE ELECTRIC AND INFINITE FUTURE**

J-A 1973 22 C UCENC
Rental: \$28

Examines problems and possibilities of using fusion. Differentiates fission from fusion. Includes commentary both for and against.

96 FUSION: THE ENERGY PROMISE

S-A 1976 56 C TLM
Purchase: \$550 Videocassette: \$275
Rental: \$60

Nuclear fusion has many advantages over fission: it is more efficient and results in no atomic wastes. The problems involved in making fusion economically feasible are examined. From the "Nova" series.

97 GASOLINE AND HOW TO STRETCH IT

J-A 1978 17 C PYR
Purchase: \$250 Videocassette: \$190
Rental: \$25

Proper driving techniques can increase gasoline mileage, conserving an important form of

97 Gasoline & How to Stretch It, cont.

energy. In this film, a gas station owner wins a bet with a delivery-driver that his van can be driven over the same route and get three more miles to the gallon than the delivery man does. Researched with the aid of the Western Gas and Oil Association.

98 GEOTHERMAL: NATURE'S BOILER

J-A 1977 7 C DOE
Free Loan

Natural heat energy stored in and under the earth's crust can be put to work. Just as geysers now supply half the electricity for San Francisco's needs, these reservoirs may heat, cool and light homes and factories across the country.

99 GEOTHERMAL POWER

S-C 1974 14 C AVED
Purchase: \$200
Rental: \$12/day; \$24/week

Heat from inside the earth may be one answer to the energy crisis. Generation of geothermal electric power demonstrates economic potentials of a new and practically unlimited source of energy. Explains geothermal power and methods used to harness it.

100 GEYSERS AND HOT SPRINGS

(Revised Edition)

E-S 1969 10 C BARR
Purchase: \$145 Rental: \$14.50

Uses animation and live action to show the source, characteristics and uses of hydrothermal activity.

**101 GREAT SEARCH, THE:
MAN'S SEARCH FOR POWER AND ENERGY**

J-A 1972 13 C WD
Purchase: \$225 Rental: \$25

This cartoon outlines primitive man's discovery of energy in water and animal power. Traces rising standards of living with steam power, oil, coal and electricity. Previews future energy sources.

**102 HAPPY TUESDAY RECYCLING JUG BAND
TRUCK (Revisited), THE**

P-A 1977 11 C ESS
Purchase: \$175 Rental: \$25

An allegorical yarn about a truck that becomes a musical, recycling Pied Piper and, in the process, transforms those "useless" left-handed elements of our culture and environment. This award-winning film weaves a ribbon of song about recycling both natural and human resources.

103 HAVE OUR PLANET AND EAT IT TOO?

J-S 1972 24 C CHUR
Purchase: \$335 Rental: \$25

Studies conflict between theories of land use — the old mining law vs. the National Environmental Policy Act. Community forces oppose mining phosphates in a National Forest.

104 HEAT AND HOW WE USE IT

P 11 C EBEC
Purchase: \$150 Rental: Inquire

Provides basic understanding about heat: its sources, the ways in which it travels, and its many uses. Explains how heat is absorbed or reflected by various materials.

105 HERE COMES THE SUN

J-A 1974 15 C DOE
Free Loan

Solar energy systems on the roofs and on the ground: collectors and control centers for warming the air and water for a swimming pool, dishwashers and storage tanks.

106 HISTORY OF NATURAL GAS, A

E 1968 8 C AGA
Purchase: \$25

Tells how natural gas was formed, trapped underground, found, distributed and used. Animated.

107 HOMEMADE ELECTRICITY

E-J 1974 20 C PR
Purchase: \$260

Five common electrical devices are used in a unique Mr. Wizard model to explain electric flow. Challenges viewers to find sources of electricity.

108 HORSEPOWER

E-J 1973 10 C JF
Purchase: \$145

Compares the activities of work horses in a small rural Ontario, Canada winter logging operation with identical work performed by machines.

109 HOW DOES A LIGHT BULB WORK?

P-E 5 C PC
Purchase: \$90 Rental: \$10

Animated objects and pictures explain the principles that enable a light bulb to glow. Illustrates why electricity creates light as it passes through a bulb's filament. Explores Thomas Edison's role as inventor of the light bulb.

110 HOW TO MAKE A SOLAR HEATER

J-A 1976 20 C HANDEL
Purchase: \$290 Rental: \$29

Explains the principle of solar energy applications and shows the step-by-step construction of a functional solar heater at a cost of less than \$100. The do-it-yourself approach suggests a classroom project.

111 HOW TO PRODUCE ELECTRIC CURRENT WITH MAGNETS

E-J 11 C EBEC
Purchase: \$150 Rental: Inquire

Experiments with a magnet and battery show that electricity and magnetism are interrelated and that an electric current can produce magnetic effects.

112 ICELAND: HOW CLEAR HOW CLEAR THE HOT SPRINGS BUBBLE

J-S 1972 13 C IFB
Purchase: \$165 Rental: \$10

Explains the natural resources of thermal energy in Iceland. Points out geological distinctions between high and low thermal areas. Shows how mineral water and thermal energy have been used and the benefits of its use including smokeless, clear air.

113 I'M NO FOOL WITH ELECTRICITY

E 1973 9 C WD
Purchase: \$150 Rental: \$20

Animated Jiminy Cricket tells how to use electricity safely. Describes what electricity is, does and its safe use. Primarily concerned with safety.

114 INCIDENT AT BROWN'S FERRY

S-A 1977 58 C TLM
Purchase: \$550 Videocassette: \$275
Rental: \$60

A fire occurred in 1975 at the world's largest nuclear power plant. This film examines the details of this incident and the larger question of reactor safety in America's nuclear energy program. From the "Nova" series.

115 INTRODUCING ECOLOGY: DEPENDENCE & SHARING

E-J 1972 10½ C COR
Purchase: \$165

Studies how plants and animals depend on one another for survival from the perspective of complementary roles and relationships.

116 INTRODUCTION TO ELECTRICITY (2nd Edition)

J 1971 11 C COR
Purchase: \$175

Presents fundamental concepts of electrical energy, electrical resistance and variations in each. Demonstrations and animation explain heating and lighting effects and clarify terms.

117 IS A CAREER IN ATOMIC ENERGY FOR YOU FOR YOU?

S-A 1975 15½ C CFI
Purchase: \$230 Rental: \$50

Opportunities in science, math, skilled crafts, administrators, clerical workers and technicians.

118 IS A CAREER IN THE ELECTRIC INDUSTRY FOR YOU?

S 1974 13 C CFI
Purchase: \$230 Rental: \$50/week

Considers activities and responsibilities of jobs in electric industries.

119 IS A CAREER IN MINING, PETROLEUM OR GAS PRODUCTION FOR YOU?

S 1975 13 C CFI
Purchase: \$230 Rental: \$50/week

Shows the importance of mining and petroleum industries and the different jobs available.

120 JAPAN AND THE SUN

J-A 27 C ASN
Free Loan

The sun has always played a major part in the life of the Japanese and they are seeking new ways to use it. This film focuses on the life of the Japanese in rural agricultural communities and fishing villages as well as in urban areas. The daily life of scientists who are working on the development of solar energy is also depicted.

121 KING ZOGG AND THE ENERGY CRUNCH

E 1974 19 C ACRI
Purchase: \$100 Free 3 week loan

Details how a mystical king and his palace sorcerer solve cooling and heating problems in the kingdom during an energy crisis.

122 LAND FOR ALL REASONS, A

J-A 23 C ASN
Free Loan

In Rifle, Colorado, people are worried about the energy crisis. Public lands surrounding Rifle hold enormous quantities of oil shale. The Federal government has leased portions of this land to oil companies who plan to extract, process, and refine the oil. This will mean not only construction of processing plants, but a large influx of workers into this rural area. The people of Rifle are concerned that the money to come with the shale oil boom may not be worth all the changes and problems that will come with it.

123 LAST RESORT, THE

S-A 1977 60(2 reels) C GMP
Purchase: \$625 Rental: \$50

Documents the controversy over twin reactors planned for the coastal town of Seabrook, New Hampshire, and the acts of civil disobedience that occurred.

124 LEARNING ABOUT ELECTRIC CURRENT (2nd Edition)

E-J 1974 15 C EBEC
Purchase: \$220 Rental: \$14

Oldtime nickelodeon movies of "hair-raising" gags punctuate this introduction to principles of electricity. Laboratory experiments and animated drawings illustrate chemical, magnetic and heat effects of electric current.

125 LEARNING ABOUT HEAT (2nd Edition)

E-J 1974 15 C EBEC
Purchase: \$220 Rental: \$14

Understanding the energy crisis presupposes understanding the nature of heat as the basic energy force. Laboratory demonstrations interwoven with animation demonstrate the nature of energy and discuss factors of the energy dilemma.

126 LEARNING ABOUT MAGNETISM (2nd Edition)

E-J 14 C EBEC
Purchase: \$220 Rental: Inquire

Magnetism, its mysteries and its practical applications are clearly explored. The subject of magnetic fields is dramatized with scenes of an 83-ton electromagnet and a magnetic field so huge that its entire expanse can be viewed only from a helicopter.

127 LEARNING ABOUT NUCLEAR ENERGY (2nd Edition)

E-J 1975 15 C EBEC
Purchase: \$220 Rental: \$14

Microphotography, animation and simple demonstration portray changes in atoms which release nuclear energy. Simulated nuclei split under neutron bombardment. Similar techniques demonstrate nuclear fission.

128 LEARNING ABOUT SOLAR ENERGY

E 1975 10 C PC
Purchase: \$210

A group of children build a small house to experiment with energy from the sun. They cook food on a fire and on a solar cooker to demonstrate the use of indirect and direct solar energy, and actively demonstrate other solar experiments.

129 LEISURE

J-A 1977 14 C PYR
 Purchase: \$250 Videocassette: \$190
 Rent: \$25

This animated film is a lighthearted "history" of leisure from the caveman to the present, and its key role in the development of civilization. We see the Industrial Revolution's gift of leisure time to everybody producing a basic shift in values: for the future, the quality of our leisure time will be our measure of an adequate society. This Academy Award winner was commissioned by the Australian Department of Environment.

130 LIGHT ALL ABOUT US

P-E 1973 10 C COR
 Purchase: \$150

Everyday uses of light, sources of light energy and its behavior. Meanings of opaque, transparent and translucent are explained.

131 LNG (Liquefied Natural Gas) IS ON ITS WAY

J-A 1976 25 C MTPS
 Free Loan

Explains how LNG is being brought from the Algerian Sahara to the energy-poor U.S. via the largest ship-building effort in peacetime.

132 LOOK TO THE SUN

S-A 1977 12½ C DOE
 Free Loan

Following an explanation of the flat plate collector, businessmen, public officials and a solar researcher look at ways to design, finance, build and make solar housing projects around the country work both economically and efficiently.

133 LOOK WHAT WE'VE DONE TO THIS LAND

J-A 1974 21 C PYR
 Purchase: \$250 Videocassette: \$190
 Rental: \$25

Records Senate hearings on the problems involved in allowing huge coal-burning plants to be built at Four Corners (where Arizona, Utah, Colorado and New Mexico meet). Rights of Native Americans are discussed since the coal is strip mined from Hopi and Navajo lands.

134 LOVEJOY'S NUCLEAR WAR

S-A 1975 60(2 reels) C GMP
 Purchase: \$600 Rental: \$50

A study of social protest and civil disobedience in opposition to nuclear plant construction, this film presents a cross section of the many and varied points of view about nuclear power, civil disobedience, and the politics of energy.

135 MANKIND AT THE TURNING POINT

S-A 1976 27½ C BP
 Purchase: \$210 Rental: \$15/3 days

Presents highlights and most important points made in the Second Report to the Club of Rome.

136 MATTER AND ENERGY (2nd Edition)

J-S 1972 12½ C COR
 Purchase: \$190

Views the universe as an enormous system of matter and energy, properties and states of matter, relationship between kinetic and potential energy, and role of energy in chemical change.

137 MATTER OF ENERGY, A

J-A 16 C MTPS
 Free Loan

How to effectively heat and cool homes and buildings.

138 MINING AND THE ENVIRONMENT

J-A 1967 25 C PP&L
 Free Loan

A close-up of Wyoming mining and the steps taken to protect the environment.

139 MONEY TO BURN

S-A 1973 12½ C AGA
 Purchase: \$120 Preview: \$10

Shows how to conserve natural gas and cut operating budgets. An attic-to-basement tour, stopping to point out ways to save gas and money.

140 MORE NUCLEAR POWER STATIONS

J-A 1976 55 C GMP
 Rental: \$35.00 Purchase: \$625

This documentary film from Denmark is a rare glimpse into the workings of the present-day nuclear power industry. The film tracks the path of nuclear fuel from power station to reprocessing plant to waste storage. Explains simply and concisely the function of these machines and the choices they now present.

141 MOUSE-ACTIVATED CANDLE LIGHTER

E-J 1967 5 C PR
 Purchase: \$100

A mouse trap, fishing pole, alarm clock, ice pack, train motor, rubber band, match and candle illustrate potential and kinetic energy. Challenges viewers to find energy "hidden" in mechanisms and their movements.

142 MR. EDISON'S DILEMMA

S-A 18 C FCI
 Purchase: \$150

This film spells out the financial problems of inhibiting growth of the electrical utility industry, and consequently, inhibiting economic progress.

143 MY NUCLEAR NEIGHBOR

J-A 1971 15 C WJK
 Purchase: \$275 Free 1-day loan

Discusses investor-owned utility sponsorship of nuclear generating plants.

144 NATURAL GAS AND CLEAN AIR

J-A 1970 27 C AGA
 Free Loan

Examines major types of air pollution and how use of natural gas can minimize or eliminate the most dangerous.

145 NATURAL GAS: ENERGY GOING TO MARKET

J-S 1972 10 C AGA
 Purchase: \$65 Free Loan

The story of transporting gas through the pipelines to its uses and storage for periods of high demand.

146 NATURAL GAS: FLOWING ENERGY

J-S 1969 15 C AGA
 Purchase: \$100 Free Loan

Shows application of science principles in controlling natural gas flow within a distribution system.

147 NATURE OF LIFE, THE: ENERGY AND LIVING THINGS

J 1970 13 C COR
 Purchase: \$195

Life on earth depends on energy from the sun. Demonstrates conversion of solar energy into sugar molecules. Illustrates ATP, enzyme action and the close relationship between chemistry and biology.

148 NATURE'S FORGE

J-S 1974 29 C DOE
 Free Loan

The story of species competing against species for survival in nature's forge of ice and fire. Animals, insects, plants and man flourished in a wide range of temperatures. Brought up to date with study of demands for vast amounts of electrical energy, nuclear energy and the movement, transfer and effects of waste heat.

149 NEED FOR NUCLEAR ENERGY, THE: OUR ENERGY OPTIONS

S-A 1975 C AIF
 Purchase: \$150 Videocassette: \$100

Reviews the U.S. energy picture through the year 2000 and presents a detailed analysis of the economics and availability of the various energy sources over the next thirty years, with particular emphasis on nuclear economics.

150 NO DEPOSIT - NO RETURN

P-A 1972 28 C PE
 Purchase: \$350 Rental: \$35

Shows how easy it is to blame others for pollution. Shows how everyone must help solve pollution problems.

151 NOW THAT THE DINOSAURS ARE GONE

S-A 1974 25 C AIF
 Purchase: \$250

151 Now That The Dinosaurs Are Gone, cont.

Considers the need for nuclear power in light of growing energy needs and the decreasing supply of fossil fuels. Addresses major issues surrounding nuclear power — reactor safety, low-level radiation and waste management.

152 NUCLEAR DILEMMA

J-A 1974 40 C TLM
Purchase: \$450 Videocassette: \$225
Rental: \$45

The nuclear fission reactor — the possible savior in the energy crisis? Or a doomsday machine? Looks at both viewpoints.

153 NUCLEAR ENERGY: POWER FOR TODAY AND TOMORROW

S-A 28 C MTPS
Free Loan

Follows the development of nuclear power from the hunt for uranium, to the production process, to the installation of nuclear fuel in a reactor's core.

154 NUCLEAR POWER: AN INTRODUCTION

S-A 1975 C AIF
Purchase: \$150 Videocassette: \$100

A discussion of the way nuclear energy is used to make electricity. Gives details of the four reactor types used in the U.S., and of the basic safety systems of light water reactors.

155 NUCLEAR POWER IN THE U.S.

S-A 1971 28 C DOE
Free Loan

Describes the entire spectrum of the nuclear power industry, including advanced reactor concepts such as the liquid metal fast breeder, the high temperature gas cooled reactor, and others.

156 NUCLEAR POWER: QUESTIONS & ANSWERS

J-A 1974 28 C PR
Purchase: \$280

Mr. Wizard gives a basic and thorough explanation of nuclear energy, how it works and why it is needed. Addresses commonly asked questions including exact mechanical operations, and safety issues.

157 OFFSHORE:**THE SEARCH FOR OIL AND GAS**

J-S 1975 18 C MTPS
Free Loan

Before the end of the century, more than half the world's petroleum supply will come from the oceans. Tells of the intensive search — big equipment, big investment, and big risks — and efforts to preserve ocean environment.

158 OIL WEAPON, THE

S-A 1975 50 C FI
Purchase: \$575 Rental: \$40

Presents an in-depth study of the far-reaching consequences of the oil trade situation. Provides an insight into the people of the Arab nations, their way of life and their goals, and the political power they hold over the rest of the world by virtue of their semi-monopoly on oil.

159 OIL WELL

J-S 1971 21 C SHELL
Free Loan

Animation explains underground processes of drilling and how a well is built carefully stage by stage. Techniques of drilling are explained, including safety devices and some hazards. Shows final appraisal of a reservoir — in three dimensions — and the full complement of production wells and pipelines for an oil field, both on land and offshore.

160 ON SHORE PLANNING FOR OFFSHORE OIL

S-A 1976 21 C CONF
Purchase: \$300 Rental: \$29

Explores the physical, social and economic effects that offshore oil development has on those who live and work in a Scottish coastal community.

161 ON THE MOVE

J-A 1974 28 C DOE
Free Loan

Surveys various means of transporting radioactive materials. Covers safety aspects of packaging and handling such materials.

162 OTHER WAY, THE

S-A 1975 26 C TLM
 Purchase: \$335 Videocassette: \$170
 Rental: \$35

Explores what economists call an "energy sink". Build one nuclear station a year and within six years the first will produce power, but the other five will be consuming it, causing a net energy loss. Economist E.F. Schumacher suggests a solution that could improve the quality of life. He proposes new approaches to industry and agriculture, giving examples of the technology needed to implement his ideas.

163 OUR FRIEND THE ATOM

E-S 1957 48 C WD
 Purchase: \$535 Rental: \$35

Uses the fable of the genie in the bottle to explain energy locked in one atom, ready for release and peaceful, productive use. Originally produced for a Walt Disney television program.

164 PEOPLE WHO FIGHT POLLUTION

J-S 1972 18 C CHUR
 Purchase: \$250 Rental: \$21

A young man runs his own trash collection service, another recycles glass bottles, a third works in air pollution control.

165 PERRY ENVIRONMENT, THE

J-A 1974 22 C NUS
 Free Loan

Documents process of site selection and environmental report preparation for a nuclear power facility.

166 PLASMA: THE FOURTH STATE OF MATTER

E-S 1968 10 C BFA
 Purchase: \$130 Rental: \$15

Stars, the earth's ionosphere, and a glowing neon sign are examples of plasma, the fourth state of matter. Plasma results when the amount of energy causes atoms to break down into free electrons and protons, or ions.

167 PLUTONIUM CONNECTION, THE

S-A 1976 59 C TLM
 Purchase: \$590 Videocassette: \$295
 Rental: \$60

Plutonium plants at present can only maintain inventory control to within 1% accuracy. This situation is examined in light of the possibility of terrorists stealing plutonium to build nuclear bombs. From the "Nova" series.

**168 POWER AND WHEELS:
THE AUTOMOBILE IN MODERN LIFE**

E-S 17 C EBEC
 Purchase: \$220 Rental: Inquire

The fascinating history of the automobile and its influence on American culture is seen through the eyes of two visitors from outer space.

169 POWER FROM THE EARTH

J-A 1974 12½ C DOE
 Free Loan

As viewers watch the work they are describing, eight scientists, engineers and managers explain various aspects of obtaining thermal energy from the earth for the production of electrical power.

170 POWERS OF TEN

J-S 1968 8 C PYR
 Purchase: \$150 Videocassette: \$135
 Rental: \$20

Dimensions in time and space are explored in this chronicle of an imaginary voyager traveling from the nucleus of the carbon atom to the farthest known reaches of space. As spectator he journeys into perspectiveless space where things are seen in a new, instinctive, non-rational way — gaining a new understanding of the powers of the universe.

171 POWER WITHOUT END (Revised)

E-S 1977 16 C XEROX
 Purchase: \$270

Humankind is consuming fossil fuels a million times faster than nature can produce them. This film takes a look at energy sources that cannot be exhausted — the sun, the wind, the tides, the earth's internal heat, and flowing water — and what science is already doing to harness them.

172 PROJECT SAGE

J-S 1976 8½ C DOE
 Free Loan

172 Project Sage, cont.

A small apartment complex south of Los Angeles is equipped with solar collectors and appropriate piping to supply hot water to 40 apartment units. This film documents the installation through the eyes of the tenants. The film shows that, contrary to popular belief, the process is really very simple and that a great deal of fossil fuel energy can be saved by projects just like this one.

173 PUTTING ENERGY ALTERNATIVES TO WORK

S-A 1977 15 C AFH
Purchase: \$185 Rental: \$25 + postage

Documents the Upland Hills Alternative Energy Workshop held in the summer of 1976 near Oxford, Michigan, and suggests ways that energy conscious persons can begin to deal with alternatives to fossil fuel energy.

174 PUTTING THE SUN TO WORK

J-A 1974 5 C DOE
Free Loan

Three leading solar experts explain the current schemes for harnessing sun power for homes and industry.

175 QUESTION OF BALANCE, A

S-A 1975 28 C KDF
Purchase: \$30 (used prints only)

Discusses candidly the complexities created by the needs of the public for more and more energy and the serious difficulties that are being encountered by the managements of electric light and power companies in preparing to meet these needs.

176 QUESTION OF VALUES, A

S-A 1972 28 C NFC/EPA
Purchase: \$350
Rental: \$35/day; \$10.00 ea. add'l day

Probes the lives and thoughts of people involved in a conflict between industrial technology and the environment, as residents of a small, economically depressed coastal town in Maine react to a proposal to build a huge oil refinery in a nearby bay. This could be an economic blessing,

with its 600 new jobs. On the other hand, what about the possibility of spills from tankers visiting the refinery? Two thousand fishermen make their living from these waters. These are the issues with which the community wrestles.

177 RADIANT ENERGY AND THE ELECTRO-MAGNETIC SPECTRUM

J-S 1969 12½ C COR
Purchase: \$250

Re-enacted experiments of discovery and modern sensing devices introduce waves, wavelengths and energy. Sources and uses of waves, infra-red and ultra-violet light, x-and gamma rays are included.

178 RAVAGED LAND, THE

S-C 1971 15 C TMG
Purchase: \$210 Rental: \$20/3 days

Describes strip mining, concentrating on the ravaging of the Appalachias. Views problems from economic, social and ecological perspectives.

179 RECYCLING WASTE

J-S 1972 12 C JF
Purchase: \$165

Shows how raw materials can be conserved and pollution curbed by turning waste material into useful products. It illustrates how paper, glass and metal can be recycled, thus turning waste and trash into a resource. It opens up the question of who will bear the cost for cleaning up the environment.

180 REFINERY

J-S 1975 14 C MTPS
Free Loan

The story of crude oil and production of petroleum products, highlighting both scientific and economic principles behind refining. Animated sequences show molecules changed and re-formed.

181 SAFETY IN SALT: THE TRANSPORTATION, HANDLING, AND DISPOSAL OF RADIOACTIVE WASTE

J-S 1971 28½ C DOE
Free Loan

Outlines research and rationale used to establish a repository. Describes various transportation systems being considered.

182 SAFETY: SECOND TO NONE

J-A 1974 14½ C DOE
Free Loan

As the watchdog over the nuclear power industry, the Federal government takes great care to see that plants are made extraordinarily safe, that no short cuts are ever taken that might threaten the public health or safety.

183 SAVING ENERGY AT HOME

J-A 1975 13 C RAM
Purchase: \$180
Rental: \$17/3 days; \$30/week

Pinpoints the major sources of energy waste around the house and gives specific tips on how to reduce home energy consumption. The film discusses common myths about which appliances are big energy users and which are, in the long run, insignificant. Straight forward facts and suggestions enable the viewer to make intelligent decisions about home energy conservation.

184 SAVING ENERGY ON THE ROAD

S-A 1976 15 C RAM
Purchase: \$225 Rental: \$20/3 days

An entertaining, practical guide to better gas mileage. Each of the film's four sequences, "Choosing the Right Car," "Driving Techniques," "Maintenance," and "Driving Less" presents important facts that can save the driver money.

185 SEARCH FOR NEW ENERGY: Part I

J-S 1975 14½ C CFI
Purchase: \$235 Rental: \$50/week

Various short-range approaches to the energy crisis. Possible future sources include bitumen, coal gasification, oil shale, recycled trash and offshore drilling. Also examines the new power sources, such as the magnetohydro-dynamic generator and geothermal energy.

186 SEARCH FOR NEW ENERGY: Part II

J-S 1975 14½ C CFI
Purchase: \$235 Rental: \$50/week

Examines the new, sophisticated sources of power being developed for long-range usage and supply. Some of these include the breeder reactor, fusion, solar power systems, windmills, tidal power, atmospheric electricity.

187 SEA VENTURE

J-S 1972 28 C MTPS
Free Loan

A poetic look at offshore drilling, comparing the men who search for oil under the oceans with those who braved the sea for centuries: fishermen, adventurers, explorers, traders, and scientists.

188 SEA WE CANNOT SENSE, A

J-A 1973 27½ C DOE
Free Loan

Everything in nature can be seen or felt, except radiation; the sea we cannot sense. Natural background radiation is a constant in our environment. Exposure levels are explained, including the effect that nuclear power plants have on those exposures.

189 SMALL CASE OF BLACKMAIL, A

S-A 1973 27 C IF
Purchase: \$500 Rental: \$55

Examines dangers of sabotage associated with nuclear power plants, transport of fissionable materials, and terrorist groups building a bomb.

**190 SOLAR ENERGY:
TO CAPTURE THE POWER OF SUN & TIDE**

J-A 1975 21 C PC
Purchase: \$330

Surveys present developments and future possibilities of solar and tidal energy.

191 SOLAR ENERGY: UNLIMITED POWER

J-S 1977 13½ C MEF
Purchase: \$225 Rental: \$25

Compares solar energy characteristics with those of other energy sources and reviews existing and potential applications of solar energy in meeting humankind's energy needs.

192 SOLAR GENERATION, THE

J-S 1976 21 C DOE
Free Loan

Enough sunshine falls on the U.S. to supply 600 times more energy than we now consume. The film ranges from Archimedes, who used the

192 Solar Generation, The, cont.

sun's rays to burn the sails of the attacking fleet, to today's exciting solar cell research program attempting to reduce costs by a factor of one hundred.

193 SOLAR HEATING

J-S 1977 28 C MET
Purchase: \$360 Rental: \$14

Presents the basics of energy science and the fundamental concepts of heat transfer. Examines each component of a solar heating system: collectors, heat storage and transfer medium. Through animation, the film clearly depicts how all the components operate under working conditions. In conclusion, the economics of solar heating are discussed from the buyer's point of view, along with common sense advice on how to approach the market.

194 SPIN! TOOT! SCOOT!

P-E 14 C MOYER
Purchase: \$195

Combines a natural interest in toys and the forms of energy that make them move, into a functional story about toys and how energy is used to create movement of various kinds.

195 STORY OF ELECTRICITY, THE: THE GREEKS TO FRANKLIN

J 1968 14 C COR
Purchase: \$210

Re-enactments of key advances with electricity told in the actual words of the discoverers. Illustrates ideas, methods and inventions.

196 STRIP MINE TRIP

J-A 1972 11 C CHUR
Purchase: \$155 Rental: \$15

A helicopter ride across Kentucky land devastated by strip mining. The sound track is a mix of explanations by mine operators and criticism by citizens.

197 STRUGGLE FOR POWER

J-S 1974 28 C CAT
Purchase: \$77 Free Loan

What's being done to supplement dwindling petroleum-based fuels with alternative energy sources? Scientists, industry and government experts report on power research from oil shale to coal gasification.

198 SUN, THE

E 1969 9 C SEF
Purchase: \$155

The sun, as earth's source of light and heat, as the center of this solar system, as a great ball of flaming gases, as vital to life on earth, is visually explored and demonstrated through scientific experiment.

199 SUN AND HOW IT AFFECTS US

E 1958 10½ C COR
Purchase: \$160

Study of the sun including size, distance from the earth, physical nature, and effect on life, weather, and tides on earth. Describes probable origin and effects of corona, prominences, flares, and sunspots provided through telescopic motion pictures.

200 SUNBEAM SOLUTION, THE

J-A 1974 38 C TLM
Purchase: \$425 Videocassette: \$215

Looks at solar energy and other untapped energy resources to answer "What source of power can best transport man into the 21st century?"

201 SUN: FRIEND OR FOE?

P-E 1969 11 C AIMS
Purchase: \$155 Rental: \$20/3 days

Presents basic concepts about the sun, both positive and negative aspects of its influence on life.

202 SUN, THE: ITS POWER AND PROMISE

J-A 24 C EBEC
Purchase: \$320 Rental: Inquire

Spectacular photography of the sun and lively animation combine to explore ways in which the sun's energy might be better used to help replace ever dwindling supplies of fossil fuels.

203 SUNLIGHT: A FIRST FILM

P-E 1971 9 C BFA
 Purchase: \$140 Rental: \$15

All life on earth needs sunlight. Every day the sun brings light and life to earth. Sunlight brings out color, warmth, shadows and seasons.

204 SUN POWER FOR FARMS

J-A 1977 12½ C DOE
 Free Loan

The potential of solar heating for agricultural production is enormous; this film shows how some of that potential is being realized through a series of research projects explained by the scientists themselves: a greenhouse heating system for nights and cloudy days, solar ponds of saltwater for storing heat, rooftop solar collectors for warming poultry houses and milking parlors, a system for drying and curing peanuts and corn.

205 SUNSPOT MYSTERY, THE

S-A 1977 58 C TLM
 Purchase: \$650 Videocassette: \$325
 Rental: \$60

Examines the complex ways in which the sun's changes affect the earth. Careful analysis of the sun's behavior can help prevent natural disasters and regulate food supplies.

206 SWITCH ON THE SUN (Revised)

E-S 1977 15 C XEROX
 Purchase: \$225

The earth is running out of fossil fuels. Oil and natural gas will be gone in 40 years. But every day the earth receives more energy from the sun than man could generate by burning his entire reserve of fossil fuels. This film examines present and projected technologies for harnessing this power.

207 TERRIBLE NEWS, THE

J-A 1973 25 C BT
 Purchase: \$350 Rental: \$30

A documentary directed by Swain Wolfe. Gives viewers a chance to see how biological energy systems are related. Gives future options for planning in business, industry, government and education.

208 THERE'S COAL IN THEM THAR HILLS

S-A 1976 20 C TLM
 Purchase: \$260 Videocassette: \$130
 Rental: \$25

The huge strip mining shovels which chewed up the green landscape of Kentucky are pointing their booms at the wide open spaces of Montana in search of clean energy. Moreley Safer of CBS news interviews ranchers, coal companies, governmental officials and the power companies about the problems of wresting land and the coal under it from reluctant Westerners.

209 THIS NUCLEAR AGE

J-A 1975 14 C PC
 Purchase: \$235

How electricity is generated using atomic power. Explains the processes of uranium fission and heavy water distillation. Examples are from nuclear power plants in Canada.

210 THOUSAND SUNS, A

P-A 1974 9 C BARR
 Purchase: \$150 Rental: \$15

Lyrically photographed essay arguing that U.S. culture, based on overconsumption and waste, is squandering the world's energy resources. Reflects upon our intense values — how we are taught to consume, to equate happiness with material things, and to measure ourselves by what we possess. Pleads for a more ecologically oriented life-style.

**211 THREE E's:
ENERGY, ECONOMICS, ENVIRONMENT**

J-A 28 C MTPS
 Free Loan

The interrelationships among energy, economics and environment are thoroughly reviewed, with comments from experts. Individual participation is emphasized.

212 TILT

J-A 1975 20 C HILL
 Purchase: \$295 Rental: \$25

Examines the interrelated problems associated with human survival in a quality environment.

213 TOAST

E-A 1975 13 C BFI
Purchase: \$180

Emphasizes the resources required to produce one slice of toast. Excellent film for dealing with net energy concept.

214 TO BOTTLE THE SUN

S-A 1973 5½ C DOE
Free Loan

The fusing of atoms releases large amounts of energy. Two scientists explain the fusion process as a potential source for generation of electricity.

215 TO IMITATE THE SUN

E-A 1971 38 C USNAC
Purchase: \$149.75

Depicts theoretical challenge of controlled fusion. Describes research machines used to investigate plasma. Touches on environmental and economic advantages possible from future fusion power reactors. Includes description of four fusion devices and modeling of plasmas by internal ring machines.

216 TRASH TO KILOWATTS

J-S 1973 10 C EPA
Free Loan

Features efforts in urban areas to upgrade solid waste disposal practices and energy conservation.

217 TREASURES OF THE EARTH

(Revised Edition)

E-J 1974 15 C CHUR
Purchase: \$200 Rental: \$18/3 days

Describes forces on the earth's crust which result in deformations allowing concentration of minerals by various kinds of water action. Describes coal formation and accumulation of oil. Animation.

218 TROJAN FOR TOMORROW

E-A 1975 14 C TRO
Free Loan

The story of the Trojan Nuclear Power Plant in Oregon. How the reactor works, the environmental impact of the facility, its construction and the recreational facilities.

219 TROUBLE WITH TRASH, THE

S-A 1970 28 C CAT
Purchase: \$87 Free Loan

Documents spiraling waste disposal problem. Experiments with volume reduction, shredding, and incinerators. Experts explain modern sanitary landfill techniques.

220 TURN A HANDLE; FLICK A SWITCH

P-E 1972 11 C CHUR
Purchase: \$155 Rental: \$15

A film about where water, gas and electricity come from and how they get to our homes. Animation and a simple experiment included. Projector stops to allow class involvement.

221 TURNING ON ENERGY

E 1971 7 C AGA
Free Loan Purchase: \$25

An animated film for elementary grades. Illustrates the point that we can turn on natural gas energy because someone has found, transported, and delivered it ready to the touch of our fingers on the control knobs. Teacher's guide accompanies film.

222 ULTIMATE ENERGY, THE

S-A 1976 28 C DOE
Free Loan

Visits five thermonuclear fusion research laboratories to discuss the future of fusion power with many physicists who have dedicated their lives to the goal of imitating the sun in the laboratory.

223 UNDERSTANDING MATTER AND ENERGY

J-A 1960 18 C IFB
 Purchase: \$165 Rental: \$12

Offers the high school student a simple explanation of the three forms of matter — liquid, solid and gaseous — and illustrates different forms of energy. Examples of chemical, mechanical, heat, light, electrical, radiant and atomic energy conclude the film.

224 UNSEEN JOURNEY

J-A 28 C ASN
 Free Loan

Shows how oil is brought to the surface on land and offshore and transported hundreds of miles by "big inch" pipelines, barges and tankers to feed distant refineries.

225 UP THE POWER CURVE

J-A 1976 10 C DOE
 Free Loan

Specific steps that can be taken to increase energy efficiency in the home through better insulation, furnace tune-ups and other energy-saving ideas. The film also explores ways to save gasoline.

226 VOLTA AND ELECTRICITY

S-A 35 C FHS
 Purchase: \$395 Videocassette: \$395
 Rental: \$40

Traces 30 years (1770-1800) of the study of electricity, primarily by Alessandro Volta, climaxed by his discovery of a new source of electricity — the Voltaic battery. Volta's actual experiments are reconstructed.

227 WAVES AND ENERGY

E-J 11 C EBEC
 Purchase: \$150 Rental: Inquire

Demonstrates that sound, light and radio waves have common characteristics: they take time to travel, they can be reflected, they can carry energy and therefore can transmit information.

228 WE USE POWER (Revised Edition)

E 1970 11 C CHUR
 Purchase: \$140 Rental: \$15

Children explore power through experiments with wind, water, steam and electricity; with burning gases in gasoline, diesel and jet engines. Questions posed.

229 WE WILL FREEZE IN THE DARK

S-A 42 C HILL
 Purchase: \$630 Rental: \$65

Concentrates on the only immediate answer to our energy dilemma — conservation — and how to do it. Better building insulation, lowering lighting, fewer windows, revised appliance regulation.

230 WEB OF LIFE: ENDLESS CHAIN

P-S 1972 28 C DOE
 Free Loan

Looks at the endless chain of life in the desert without narration, accompanied with music and sound effects.

231 WELL IN WEST VIRGINIA, A

J-S 1974 15 C AGA
 Purchase: \$65

The film show a well being drilled in West Virginia. It graphically depicts the hard work, the uncertainty, and then, the momentary elation when natural gas is found. Outstanding animation reveals below ground level operations. Teacher's guide accompanies film.

232 WESTERN COAL: AN AMERICAN DILEMMA

J-S 1976 21 C CMP
 Purchase: \$300 Rental: \$30

A documentary on the strip mining of coal in Montana. Ranchers and town folk, officials and corporate interests argue the causes of preserving the land and a way of life versus jobs and energy.

233 WHEN THE CIRCUIT BREAKS

S-A 1975 28 C DOE
 Free Loan

Illustrates opportunities for conserving energy, finding better and more efficient ways to use current fuels and developing new methods to harness and produce vast amounts of energy.

234 WHERE ALL THINGS BELONG

J-A 1977 28 C ESS
 Purchase: \$400 Rental: \$40

The ultimate renewable energy resource is explored in this film on the rebirth of the human spirit, done by the producers of A THOUSAND SUNS.

235 WHERE THE LITTLE LIGHT BULB GETS ITS JUICE

E 1976 5 C KGP
 Purchase: \$100

An animated explanation of how electricity is made and delivered to the consumer.

236 WHICH ENERGY

J-A 1976 23 C FINLEY
 Purchase: \$350 Rental: \$35

Explains how our various alternative energy systems work, describes current energy research, and provides perspective in the complex and confusing energy field.

237 WIND AND WHAT IT DOES

P 1963 1 C/B&W EBEC
 Purchase: \$150/C \$90/B&W
 Rental: \$12/3 days; \$2 ea. add'l day

Provides a direct and immediate experience with the important aspects of wind: what it is, what it can do, and how it affects man and his surroundings. Reveals wind doing work and causing destruction.

238 WINDS AND THEIR CAUSES (2nd Edition)

E 1967 11 C/B&W COR
 Purchase: \$165

A soaring glider demonstrates effects of unequal heating of air. Shows local winds caused by land forms and water, and global winds by solar heating, modified by earth's rotation and interaction with other winds.

239 WORLD OF ENERGY, A

J-A 1974 29 C MTPS
 Free Loan

Reviews man's use of energy from primitive times to the present. Discusses the future of energy and the challenges it presents in meeting the economic and environmental requirements of the future.

240 WORLD WITHIN WORLD

S-A 1973 52 C TLM
 Purchase: \$750 Videocassette: \$375
 Rental: \$100

A look at the world inside the atom, and an examination of the men and ideas that have made 20th century physics "the greatest achievement of the human imagination." From the "Ascent of Man" series.

241 YOU CAN'T GO BACK

P-A 1973 6 C EPP
 Purchase: \$82

Shows familiar events — friction, heat flow, melting, and combustion — backwards, to create an appreciation of energy transformation and of the profound implications for ecology of the Second Law of Thermodynamics.

FILM SOURCES AND DISTRIBUTORS

This listing serves as both a key to distributor codes used in the film citations and as a mailing address list for film purchase or rental. It contains only those distributors whose films are presented in this index and is not intended to be a complete roster of distributors.

A-C	Allis Chalmers Manufacturing Company Tractor Group Milwaukee, WI 53201 414-475-2000	BARR	Barr Films 3490 E. Foothill Boulevard Pasadena, CA 91107 213-793-6153
ACRI	Air Conditioning & Refrigeration Institute 1815 Fort Myer Drive Arlington, VA 22209 703-524-8800	BFA	BFA Educational Media 2211 Michigan Avenue Santa Monica, CA 91367 213-829-2901
AFH	American Film House, Inc. 566 Ann Street Birmingham, MI 48009	BFI	Bullfrog Films, Inc. Oley, PA 19547
AGA	American Gas Association Film Librarian 1515 Wilson Boulevard Arlington, VA 22209	BP	Bittle Productions Box 48 Creswell, OR 97426
AIF	Atomic Industrial Forum, Inc. 7101 Wisconsin Avenue Washington, DC 20014 301-654-9260	BT	Bitterroot Films, Inc. Hammond Arcade Building Missoula MT 59801 406-728-2261
AIMS	Aims Instructional Media Services, Inc. 626 Justin Avenue Glendale, CA 91201 213-240-9300 *Preview prints for purchase consideration only *Many titles are also available from university film libraries	CAR	Carousel Films, Inc. Suite 1503 1501 Broadway New York, NY 10036
AMP	Arthur Mokin Productions 17 West 60th Street New York, NY 10023	CAT	Caterpillar Film Library 1687 Elmhurst Road Elk Grove Village, IL 60007 312-593-3250
ASN	Association Films, Inc. 866 Third Avenue New York, NY 10022 212-935-4210	CEF	Centron Educational Films 1299 Fourth Street, No. 306 San Rafael, CA 94901 415-454-2261
AVED	AV-ED Films 910 North Citrus Avenue Hollywood, CA 90038 213-466-1344	CFI	Counselor Films, Inc. 2100 Locust Street Philadelphia, PA 10103 800-523-4550 *Preview prints for purchase consideration only

- | | | | |
|-------|---|--------|---|
| CHUR | Churchill Films
662 N. Robertson Boulevard
Los Angeles, CA 90069
213-657-5110
*Preview prints for purchase consideration only
*Many titles are also available from university film libraries | ESS | Essentia
57 Sonora Way
Corte Madera, CA 94925
415-924-1192 |
| CMP | Cine Manifest Productions
308 11th Street
San Francisco, CA 94103
415-626-5596 | FCI | Film Counselors, Inc.
Attn: Jay Dalton
500 Fifth Avenue
New York, NY 10036
212-736-7220 |
| CONF | Conservation Foundation
1717 Massachusetts Avenue, NW
Washington, DC 20036
202-797-4300 | FHS | Films for the Humanities and Science
Post Office Box 378
Princeton, NJ 08540
609-921-2803 |
| COR | Coronet Films
65 East Water Street
Chicago, IL 60601
312-332-7676
*Preview prints for purchase consideration only
*Many titles are available for rental from university film libraries. (No direct rental from Coronet). | FI | Films, Inc.
5625 Hollywood Boulevard
Hollywood, CA 90028
213-466-5481 |
| DOCUA | Document Associates, Inc.
211 East 43rd Street
New York, NY 10017
212-682-0730 | FINLEY | Stuart Finley, Inc.
3428 Manfield Road
Falls Church, VA 22041
703-820-7700
*Preview prints for purchase consideration only (Not to be shown in the classroom)
*Pre-rental evaluation for one half of the rental price. |
| DOE | Department of Energy
Film Library
P.O. Box 62
Oak Ridge, TN 37830
615-483-8611 X3-4161
*Free Loan films
*No direct sales. Write to DOE for information on sales sources. | GMP | Green Mountain Post Films
Box 177
Montague, MA 01351 |
| EBEC | Encyclopedia Britannica
Educational Corporation
425 North Michigan Avenue
Chicago, IL 60611
312-321-6800 | HANDEL | Handel Film Corporation
8730 Sunset Boulevard
West Hollywood, CA 90069
213-657-8990 |
| EPA | Environmental Protection Agency
1234 S.W. Morrison
Portland, OR 97207
503-221-3250
*Check with the Environmental Protection Agency in your area. | HILL | Contemporary McGraw-Hill Films
Sales Service Department
1221 Avenue of the Americas
New York, NY 10020
212-997-3276 |
| EPP | Elementary Penguin Productions
1043-3 South Westmoreland
Los Angeles, CA 90006 | IF | Impact Films
144 Bleeker Street
New York, NY 10012 |
| | | IFB | International Film Bureau
322 South Michigan Avenue
Chicago, IL 60604
312-427-4545 |
| | | 3 | |
| | | IU | Indiana University
Audio-Visual Center
Bloomington, IN 47401
812-337-2103 |

JF	Journal Films 930 Pitner Avenue Evanston, IL 60602 312-328-6700 *No direct rental. Rental orders will be processed through the nearest University Film Rental Library. *Preview prints for purchase consideration only	PE	Perennial Education, Inc. 477 Roger Williams P.O. Box 855 Ravinia Highland Park, IL 60035 312-433-1610
KDF	Kevin Donovan Films 44 Treat Road Box 309 Glastonbury, CT 06033 203-633-9331	PP&L	Pacific Power & Light Company Public Service Building Portland, OR 97204 503-243-4830
KGP	Kim & Gifford Productions 342 Madison Avenue New York, NY 10017 212-986-2826	PR	Prism Enterprises, Inc. P.O. Box 83 Canoga Park, CA 91305 213-703-1227
MEF	Montage Educational Films P.O. Box 33992 Seattle, WA 98133	PSP&L	Puget Sound Power & Light Company Attn: Public Information Dept. Puget Power Building Bellevue, WA 98009
MET	Metabasia, Ltd. P.O. Box 5552 Madison, WI 53705	PYR	Pyramid Films P.O. Box 1048 Santa Monica, CA 90406 213-828-7577 *Preview prints for purchase consideration only
MOYER	Martin Moyer Productions 900 Federal Avenue Seattle, WA 98102	RAM	Ramsgate Films 704 Santa Monica Blvd. Santa Monica, CA 90401
MTPS	Modern Talking Picture Service 2323 New Hyde Park Road New York NY 11040 212-895-2237	SCOPE	Screenscope, Inc. Suite 2000 1022 Wilson Blvd. Arlington, VA 22209
NFB	National Film Board of Canada 1251 Avenue of the Americas New York, NY 10020 212-586-2400	SEF	Sterling Education Films Division of Walter Reade Organization, Inc. 241 East 34th Street New York, NY 10016 212-683-6300
NFC	New Film Co., Inc. 331 Newburt Street Boston, MA 02115	SHELL	Shell Film Library 1433 Sadlier Cir. W. Dr. Indianapolis, IN 46239 317-291-7440
NUS	NUS Corporation Four Research Place Rockville, MD 20850 301-948-7010	SND	Screen News Digest 235 East 45th Street New York, NY 10017 212-682-7690
PC	Paramount Communications 5451 Maraton Street Hollywood, CA 90038 213-463-0100	TLM	Time-Life Multimedia Distribution Center 100 Eisenhower Drive Paramus, NJ 07652 201-843-4545 *Preview prints for purchase consideration only

TMG The Media Guild
P.O. Box 881
Solana Beach, CA 92075
714-755-9191

TRO Trojan Visitors Information Center
Route 2, Box 120
Rainier, OR 97048

UCEMC University of California Extension
Media Center
Berkeley, CA 94720
415-642-0460

UCOLO Educational Media Center
University of Colorado
Stadium Building
Boulder, CO 80309

USDC U.S. Department of Commerce
1220 S.W. 3rd
Portland, OR 97207
503-221-3001
*Check the U.S. Department of Commerce
in your area

USNAC U.S. National Audio Visual Center
General Services Administration
Order Section
Washington, DC 20409
301-763-1891

WD Walt Disney Educational Materials
500 South Buena Vista Street
Burbank, CA 91521
213-240-9160

WJK Walter J. Klein Company, Ltd.
6301 Carmel Road, Box 17766
Charlotte, NC 28211
704-542-1403

XEROX Xerox Education Productions
245 Long Hill Road
Middletown, CT 06457
203-347-7251

MAJOR UNIVERSITY RENTAL/LOAN FILM LIBRARIES

Check with your nearest university film library (some may not be listed here) for free or low-cost rental films. Your school district media center is another source. Don't forget your local utility company — major companies provide free films and other media services to school districts within their service areas.

ALABAMA

Audio-Visual Aids Service
Extension Division
University of Alabama
University 35486

ARIZONA

Northern Arizona Film Library
Northern Arizona University
Flagstaff 86001

Central Arizona Film Co-op
Audio-Visual Center
Arizona State University
Tempe 85281

Film Library
Bureau of Audiovisual Services
University of Arizona
Tucson 85721

CALIFORNIA

University of California
Extension Media Center
Berkeley 94720

University of Southern California
Division of Cinema-Performing Arts
University Park
Los Angeles 90007

COLORADO

Bureau of Audiovisual Instruction
University of Colorado
Stadium 348
Boulder 80302

CONNECTICUT

Learning Resource Center
50 S. Main Street
West Hartford 06107
University of Connecticut
Audio-Visual Center
Storrs 06268

FLORIDA

Educational Media Center
Florida State University
Tallahassee 32306

GEORGIA

Georgia Center for Continuing
Education
University of Georgia
Athens 30601

IDAHO

Audio-Visual Service
Educational Film Library
Idaho State University
Pocatello 83201

Audio-Visual Center
University of Idaho
Moscow 83843

ILLINOIS

Educational Film Library
Northern Illinois University
DeKalb 60115

Learning Resource Service
Southern Illinois University
Carbondale 62820

Visual Aids Service
University of Illinois
1325 S. Oak Street
Champaign 61820

INDIANA

Audio-Visual Center
Indiana University
Bloomington 47401

IOWA

Visual Instruction Service
Iowa State University
Pearson Hall 121
Ames 50010

Audiovisual Center
University of Iowa
Iowa City 52240

KANSAS

Bureau of Visual Instruction
University Extension
University of Kansas
Lawrence 66044

KENTUCKY

Audio-Visual Services
University of Kentucky
Taylor Education Bldg.
Lexington 40506

MAINE

Audio-Visual Center
University of Maine
Stevens Hall South
Orono 04473

MASSACHUSETTS

Abraham Krasker Memorial Film
Library
Boston University
School of Education
765 Commonwealth Avenue
Boston 02215

MICHIGAN

Audio-Visual Education Center
University of Michigan
720 E. Huron Street
Frieze Building
Ann Arbor 48103

MINNESOTA

Audio-Visual Extension Service
University of Minnesota
2037 University Avenue
Minneapolis 55455

MISSISSIPPI

Educational Film Library
University of Mississippi
University 38677

MISSOURI

Kent Library
Southeast Missouri State College
Cape Girardeau 63701

University Extension Division
119 Whitten Hall
University of Missouri
Columbia 65201

MONTANA
Instructional Materials Services
University of Montana
Missoula, MT 59812

NEBRASKA
Bureau of Audio-Visual Instruction
University Extension Division
University of Nebraska
Lincoln 68508

NEW HAMPSHIRE
Audio-Visual Center
University Extension
University of New Hampshire
Durham 03824

NEW MEXICO
Film Library
Eastern New Mexico University
Portales 88130

NEW YORK
Educational Film Library
State University College at Buffalo
1300 Elmwood Avenue
Buffalo 14222
Film Rental Library
1455 E. Colvin Street
Syracuse University
Syracuse 13210

NORTH CAROLINA
Bureau of Audio-Visual Education
University of North Carolina
Chapel Hill 27514

NORTH DAKOTA
North Dakota State University Library
State University Station
Fargo 58102

OHIO
Audio-Visual Center
Kent State University
Kent 44240

OKLAHOMA
Audio-Visual Center
Oklahoma State University
Stillwater 74074

OREGON
Division of Continuing Education
Audio-Visual Instruction
131 Gill Coliseum
Oregon State University
Corvallis, OR 97331

PENNSYLVANIA
Audio-Visual Services
The Pennsylvania State University
University Park 16802

Audio-Visual Services
McKeesport Area School District
Beaver & Union Streets
McKeesport 15132

RHODE ISLAND
Rhode Island College
600 Mt. Pleasant Avenue
Providence, 02908

SOUTH CAROLINA
School of General Studies
Audio-Visual Division
University of South Carolina
Columbia 29208

SOUTH DAKOTA
Film Library
South Dakota State University
Brookings 57006
Film Library
Extension Division
University of South Dakota
Vermillion 57069

UTAH
Educational Media Services
Instructional Materials
Brigham Young University
Provo 84601

University of Utah
Audio-Visual Bureau
Extension Division
Salt Lake City 84112

WASHINGTON
Instructional Media Services
35-D Kane Hall
University of Washington
Seattle 98195

WISCONSIN
Film Library
Audiovisual Center
Wisconsin State University
LaCrosse 54601

Bureau of Audio-Visual Instruction
University of Wisconsin-Extension
1327 University Avenue
P.O. Box 2093
Madison 53701

WYOMING
Audio-Visual Services
University of Wyoming
P.O. Box 3273
Laramie 82071

NEW FILM ADDITIONS

Title _____

Running Time _____ Color or B&W _____

Year Produced _____ Grade Level(s) _____

Description _____

Source _____

Address _____

Title _____

Running Time _____ Color or B&W _____

Year Produced _____ Grade Level(s) _____

Description _____

Source _____

Address _____

Title _____

Running Time _____ Color or B&W _____

Year Produced _____ Grade Level(s) _____

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Running Time _____ Color or B&W _____

Year Produced _____ Grade Level(s) _____

Description _____

Source _____

Address _____

Title _____

Running Time _____ Color or B&W _____

Year Produced _____ Grade Level(s) _____

Description _____

Source _____

Address _____

RECOMMENDATIONS

Please let us know about energy or energy related films that you have found to be useful in your classroom. You will receive a free copy of the next edition of the INDEX for your assistance. Thank you.

Please add the following film to your next edition of the ENERGY FILMS INDEX:

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Appropriate for Grades: _____

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Organization or School _____

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